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Date: July 11, 2005

*Agricultural Weather Advisory for New Jersey and Southeastern Pennsylvania
Issued by Rutgers University New Brunswick NJ
7 am EDT Monday, July 11, 2005*

Rainfall amounts, none through Tuesday.

Winds for spraying, northwest 5 to 10 mph today, northwest 5 to 10 mph tonight, east 5 to 10 mph Tuesday.

Relative humidity in percent, 35 to 45 today, 90 to near 100 tonight, 35 to 45 Tuesday.

Dew points, low to mid 60s through Tuesday.

Drying conditions, good today, good Tuesday.

Frost freeze or dew, moderate dew tonight, light dew Tuesday night.

Percent of possible sunshine, 80 today, 70 Tuesday.

There is a 10 percent probability of precipitation during the 12 hour period beginning at 8 am and ending at 8 pm that could adversely affect the performance of pesticides that require a rain free period after application.

Conditions do not appear favorable for the occurrence of cranberry scald today and Tuesday.

Hay cutting will see good drying conditions over the next few days with little chance of precipitation.

Estimated soil moisture in percent of field capacity is above 80 in most locations.

Growing degree day totals base 50 since March 1, 2005, now range from over 1100 in the north to over 1400 in the south. Totals are still ahead of normal.

The latest 8 to 14 day outlook for the period July 18, 2005, through July 24, 2005, is calling for temperatures to average above normal and precipitation to total near normal.

Temperatures averaged near normal, averaging 71 degrees north, 73 degrees central and 73 degrees south. Extremes were 93 degrees at Long Branch on July 10, 2005, and 52 degrees at Charlotteburg on the July 5, 2005.

Weekly rainfall averaged 2.21 inches north, 1.86 inches central, and 2.24 inches south. The heaviest 24 hour total reported was 2.13 inches at Cape May on July 8, 2005, through July 9, 2005.

Estimated soil moisture, in percent of field capacity, this past week averaged 89 percent north, 88 percent central and 86 percent south. Four inch soil temperatures averaged 72 degrees north, 73 degrees central and 74 degrees south.

Weather Summary for the Week Ending 8 am Monday, July 11, 2005

Weather Stations	Rainfall			Temperatures				Growing Degree Days 1/		Soil Moisture 2/
	Last Week	Since March 1		Last Week				Total	Dept.*	
		Total	Dept.*	Max.	Min.	Avg.	Dept.*			
<div>- Inches - - Degrees - - Base 50°F -</div>										
NORTH										
Belvidere Bridge	2.24	14.63	-2.15	91	58	72	0	1180	99	93
Canoe Brook	1.85	16.72	-1.17	92	59	73	0	1367	289	94
Charlotteburg	2.62	19.61	1.53	87	52	68	-1	1100	239	96
Flemington	2.20	20.73	3.53	89	59	72	-1	1273	159	97
Newton	2.15	16.06	-.36	89	57	71	1	1199	246	96
CENTRAL										
Freehold	1.61	19.75	2.97	90	60	73	-1	1287	74	96
Long Branch	1.46	19.08	2.32	93	62	74	1	1255	116	83
New Brunswick	2.67	19.55	3.02	92	59	74	0	1342	54	96
Toms River	1.55	19.59	2.69	92	60	73	-1	1201	53	83
Trenton	2.00	19.76	4.17	90	59	73	-2	1349	7	84
SOUTH										
Cape May C.H.	2.38	17.01	2.19	87	57	71	-3	1022	-205	86
Downtown	2.00	15.74	.41	89	59	73	-2	1259	- 98	86
Glassboro	2.38	17.06	.63	91	62	75	0	1464	128	85
Hammonton	2.32	16.84	.64	91	61	74	-1	1318	-12	83
Pomona	1.63	17.34	2.71	90	61	74	0	1219	- 9	83
Seabrook	2.71	17.50	2.71	88	61	74	-1	1483	118	92
South Harrison	2.69	18.07	1.55	89	61	73	NA	1383	NA	NA

1/ Growing degree days since March 1, 2005, total and departure from normal or long term average.
2/ Estimated soil moisture as % of field capacity based on climate data.

Field Crops Continue to Mature

Outdoor activities included cutting and baling hay, spraying, and harvesting vegetables. Days suitable for field work, for the week ending Sunday, July 10, 2005, were 5.2. Topsoil moisture was rated 18% short, 59% adequate and 23% surplus. Irrigation water supply was rated 95% adequate and 5% surplus. There were measurable amounts of rainfall during the week, with over an inch of rain on July 8, 2005 in many parts of the state. Temperatures were variable during the week. Soybeans began to bloom in some parts of the state. Wheat harvest was almost completed in areas of the central district. Second cutting of hay continued across the state, and third cutting began in the central and southern districts. There were reports of leaf hoppers in alfalfa hay in some northern and southern localities. Producers sprayed for late blight in some southern potato fields. Field crops rated in fair to good condition across the state. Downy mildew was observed on cucumber plants. Tomatoes were sizing well in the central district, and harvest began in some southern localities. Pumpkin vines were doing well in the central district. Blueberry harvest continued in the south and central districts. There was a report of some hail damage to apple trees in areas of the central district. Pasture was rated in mostly fair to good condition.
